



# **SIMULATION OPERATIONS**

*We're About*

# **WARFIGHTING**



## Why is M&S Critical to the Army Mission?



ARMY READINESS

# APPLICATION OF M&S

## What is Simulation Operations?

*"Technology does not win wars; soldiers and leaders do...  
Training translates technology's potential into actual combat power."*

*Major General James M. Dubik, USA*

Simulation Operations is about warfighting. It is the application of modeling and simulation that allows commanders to meet training objectives and prepare their units for combat.

Simulation Operations tackles today's operations and defines future systems and training through Modeling and Simulation.





## Mission

Simulation Operations applies models and simulations to create the environments that prepare soldiers, leaders and units for current and future battles. By infusing models and simulations into training and military operations, simulation operations will assist the Army in transformation.



**It's Not Just About  
the Technology...  
It's About People.**



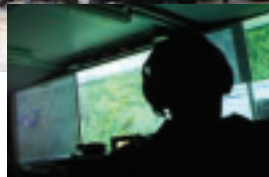
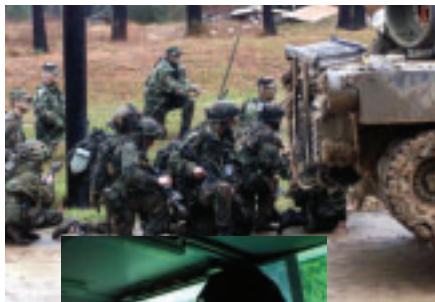
CREATING THE  
ENVIRONMENT



## Execution

Using models and simulations, we can meet the challenges of an uncertain world. We can prepare for tomorrow's battle today. In order to do that, we are:

- Providing simulation operations support to soldiers, leaders and units
- Creating future generations of simulations
- Enabling Army Transformation through the use of models and simulations



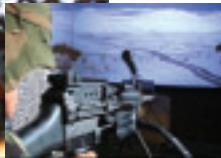
# ENABLING ARMY TRANSFORMATION



## The Challenge & Call

Today's Army is transforming and at War. Digitization, new weapon systems, and emerging threats have increased our reliance on simulations for force readiness.

The Army needs military and civilians who understand the application of modeling and simulation for both training and military operations.



# TRAINING & MILITARY OPERATIONS



## Military Component—FA 57

- **Warfighters** – Soldiers first who understand military operations and training
- **Trainers** – Experts who develop, plan, coordinate and execute exercises at all levels of command: Army, Joint, Interagency and Multi-National



WARFIGHTERS  
TRAINERS  
SIMULATIONISTS

- **Simulationists** – Operators who understand the capabilities of simulations and provide the environment for commanders to train, conduct mission rehearsal and mission planning



**Germany**



**North Korea**

**South Korea**



**Hawaii**



# **Simulation Operations Officers Throughout the Army**







# **Where We've Been. Where We Are. Where We Are Going.**

## **Before FA 57:**

- Ad hoc workforce
- No force structure
- No formal education process

## **What It Means Today:**

- Designated Functional Area
- Established force structure
- Formal education process

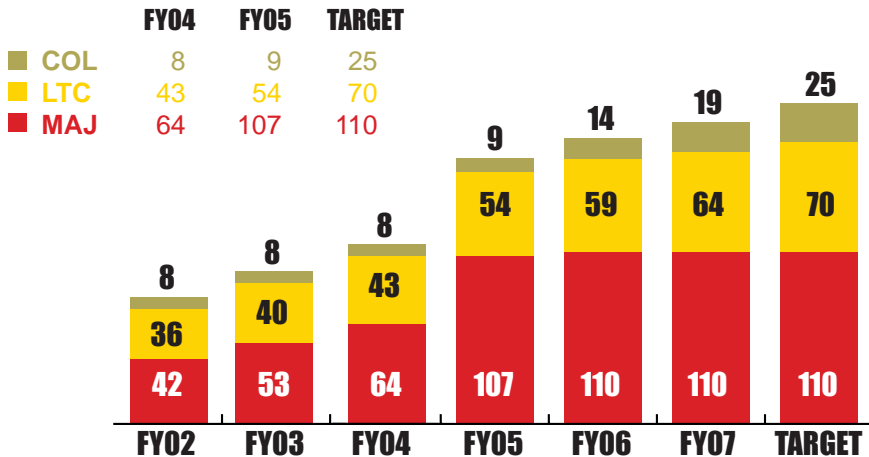
## **What It Means Tomorrow:**

- Trained and ready force
- Competent core group of professionals





## FA 57 Total Force Structure



## Civilian Component— Simulation Operations Professional

- **Professionals**—who develop, acquire, field and sustain model and simulation tools
- **Experts**—who understand and use M&S in support of Army, Joint, Interagency and Multi-national organizations for advanced concepts research, testing, analysis, science and technology, and training
- **Simulationists**—who understand the capabilities of models and simulations and provide the continuity that will enable the Army to transform

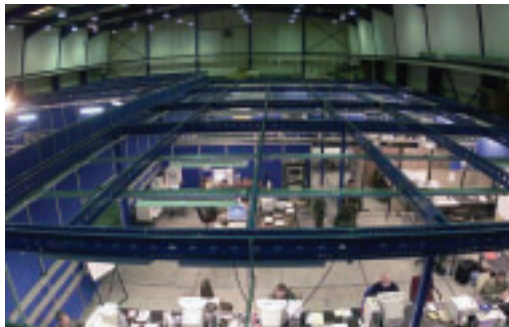




## **Simulation Operations Education & Training**

Education is critical to the mission of Simulation Operations.

As models and simulations become progressively more complex and mission essential, there is a growing need to provide education, training and professional development to military and civilian components of the Army M&S workforce.



**It's About Readiness: Skills, Knowledge and Experience**

# EDUCATING & TRAINING

## Simulation Operations Course

- **Purpose** – Educate the Simulation Operations Community and qualify FA 57 Officers
- **Required of** – Military officers who have the career field designation FA 57
- **Duration** – 6 Week Course



The Simulation Operations Course provides individuals with an understanding of the roles, responsibilities, practices, procedures, and concepts necessary to create, apply and integrate models and simulations into training and military operations environment.



## Skill Identifier S7 Course



- **Purpose** – The Simulation Operations Course trains digital and Stryker brigade and battalion level S3s/Assistant S3s to plan and integrate simulations within unit training
- **Required of** – Officers going to Skill Identifier S7 designated positions
- **Duration** – 10 days

### **Course curriculum emphasizes the following topics:**

- Basics of modeling and simulation
- Brigade and below simulations
- Applying simulations to unit training
- Interoperability of simulations with Command and Control Systems

TRAINING



## Simulation Operations Professional Courses

- **Purpose** – Provide Simulation Operations Professionals (military and civilian) with an understanding of M&S and its applications
- **Duration** – Length tailored to requirement



### **Courses currently offered:**

- Fundamentals of M&S Program Management
- Technical Aspects of Simulations
- Employing Simulations

DEVELOPING



# Simulation Operations Information

Email: [Sim-ops@hqda.army.mil](mailto:Sim-ops@hqda.army.mil)

Web site: [www.fa-57.army.mil](http://www.fa-57.army.mil)



## Phone Numbers

Proponent Manager	703-601-0012	DSN 329
FA 57 Proponent Officer	703-604-0257	DSN 664
Civilian Programs Manager	703-604-0258	DSN 664
FA 57 Assignment Officer	703-325-8635	DSN 221
Acquisition & Sustainment	703-601-0009	DSN 329
Education	703-604-0234	DSN 664
Force Structure	703-604-0235	DSN 664
Fax	703-601-0018	DSN 329

*This booklet was produced by the Simulation Operations Proponent*